ZAKRIVIDOROGA, S.P. [Zakryvydoroha, S.P.]; ZAMANSKIY, L.N. [Zamans'ky, L.N.];
LOPUSHANSKIY, A.I. [Lopushans'kyi, A.I.]; NEVSKAYA, T.L.
[Nevs'ka, T.L.]; TARAKHOVSKIY, M.L. [Tarakhovs'kyi, M.L.]

Effect of bromine on the processes of exhaustion and recovery of the body. Fiziol. zhur. [Ukr.] 8 no.3:319-326 My-Je '62. (MIRA 15:6)

1. Kafedra farmakologii i biokhimii Chernovitskogo meditsinskogo instituta.

(HRCMINE--PHYSIOLOGICAL EFFECT)

(PHYSIOLOGY, EXPERIMENTAL)

DENISENKO, V.P.; LOPUSHANSKIY, A.I.

Synthesis of diquaternary salts of N,N'-derivatives of hexamethylene-Part 2: Synthesis of new dichlorides of hexamethylene-1,6-bis-dimethylaminoalkyl acetates. Zhur.ob.khim. 32 no.38 (MIRA 15:3) 731-735 Mr 162.

1. Chernovitskiy meditsinskiy institut. (Hexanediamine)

LOPUSHANSKIY, A.I.

Synthesis of diquaternary salts of N,N' derivatives of hexamethylenediamine. Part 3: Polarographic behavior of esters of hexamethylene-1,6-bisdimethylaminoacetic acid. Zhur.ob.khim. (MIRA 15:9) 32 no.9:3098-3105 S 162.

1. Chernovitskiy meditsinskiy institut.
(Acetic acid) (Haxanediamine)
(Ammonium compounds, Substituted)

## LOPUSHANSKIY, A.I.; POKHMURSKAYA, M.V.

Polarographic study of hexamethylene-1,6-bis-dimethylamine. Zhur.ob.khim. 32 no.10:3135-3137 0 '62. (MIRA 15:11)

1. Chernovitskiy meditsinskiy institut.
(Dimethylamine) (Polarography)

LOPUSHANSKIY, A.I.; DENISENKO, V.P.; POKHMURSKAYA, M.V.

Polarographic properties of diquaternary ammonium derivative of ethylenediamine with activated C-N bonds. Zhur.ob.khim.
33.no.3:728-731 Mr 163. (MIRA 16:3)

1. Chernovitskiy meditsinskiy institut.
(Ammonium compounds) (Ethylenediamine) (Polarography)

LOPUSHANSKIY, A.I.; GORBAN', A.K.; UDOVITSKAYA, V.V.

Synthesis of quaternary ammonium derivatives of L-menthol. Izv. AN SSSR. Otd.khim.nauk no.6:1141-1142 Je '63. (MIRA 16:7)

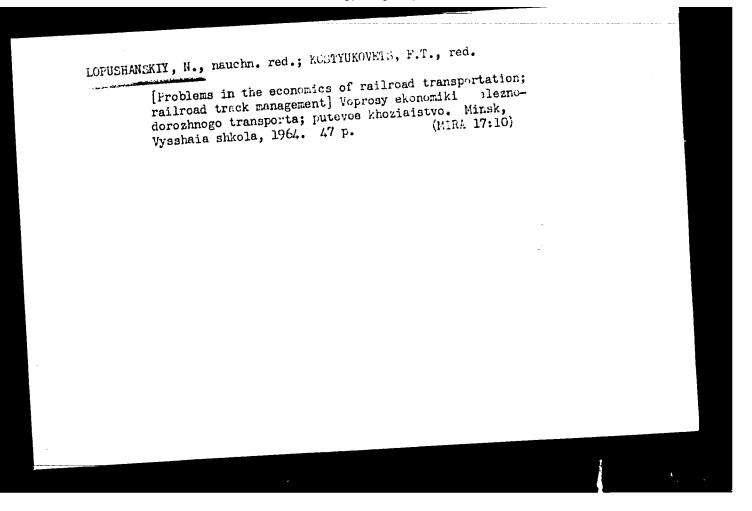
1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR. (Menthol) (Ammonium compounds)

LOPUSHANSKIY, A.I.; GORBAN', A.K.; UDOVITSKAYA, V.V.

Synthesis of biquaternary ammonium derivatives of decamethylenediamine. Izv. AN SSSR. Ser. khim. no.6:1106-1108 Je '64. (MIRA 17:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

### "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000930520



# LOPUSHANSKIY, P. I.

"Morphological and Physiological Characteristics of the Walnut in the Bukovina." Cand Biol Sci, Chernovits State U, Min Higher Education USSR, Chernovits, 1954. (KL, No 8, Feb 55)

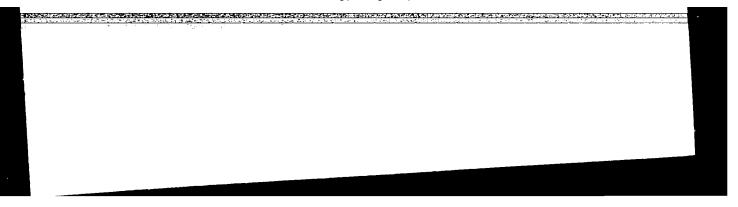
SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

MOLOTROVS'KIY, G.Eh.; LOPUSHANSKIY, P.I.; GOLUBITEV, V.O.

Belation of polarity to the dynamics of formation and the distribution of ascorbic acid in the walnut. Bot.zhur. [Ukr.] 12 (NIRA 9; 3) no.4:3-12 '55.

(Walnut) (Ascorbic acid)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000930520



### "APPROVED FOR RELEASE: Monday, July 31, 2000

### CIA-RDP86-00513R000930520

LOPUSHANSKIY, P.I.

USSR/Agriculture - Plant physiology

ŧ

t

Card 1/1

Pub. 22 - 40/47

Authors

Lopushanskiy, P. I., and Holotovskiy, G. Kh.

Title

Respiration of metameric formations of walnut and the polarity phenomena

Periodical :

Dok. Ali SSSR 100/6, 1179-1182, Feb 21, 1955

Abstract

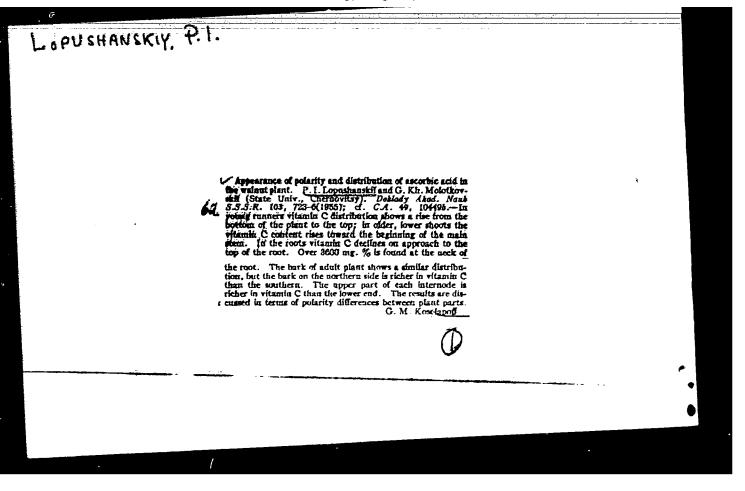
Investigation was conducted to determine the respiration intensity of a walnut (Juglans regia L) during various periods of leaf vegetation. Results obtained are described. Nine USSR references (1937-1953). Tables.

Institution:

State University, Chernovtsy

Presented by:

Academician A. L. Kursanov, December 22, 1954



Growth dynamics of fruit and the fernation of vitamin C and eil in walmut fruit and leaves in connection with pelarity. Ukr.bet.zhur. (MERA 9:9)

13 no.1:56-62 '56.

1.Chernivets'kiy derzhavniy universitet, Kafedra fiziolegii reslin. (Walmut)

I-1

LOPUSHANSKIY, P. I.

USSR/Physiology of Plants. General Problems.

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1102.

Authors : Lopushanskiy, P.I., Molotkovs'kiy, G. Kh.

: Chernovtsy University

: Materials on the Physiology of the Walmut. Inst

Orig Pub: Nauk zap. Chernivets'k. un-t, 1956, 23, 17-93.

Abstract: The shortness of the day has permitted a quickening of the processes of preparing the walmit seedling for wintering. A direct relationship has been discovered between the ascorbic acid content and the plant's resistance to winter. The black walnut, the most resistant under Chernovtsy conditions, is characterized by the highest content of this acid. Emphasized is the presence of a correlational connection between the formation of fruits in the spring and summer flowerings. It is supposed that the formation of fruits can be assisted

: 1/2 Card

-1-

I-1

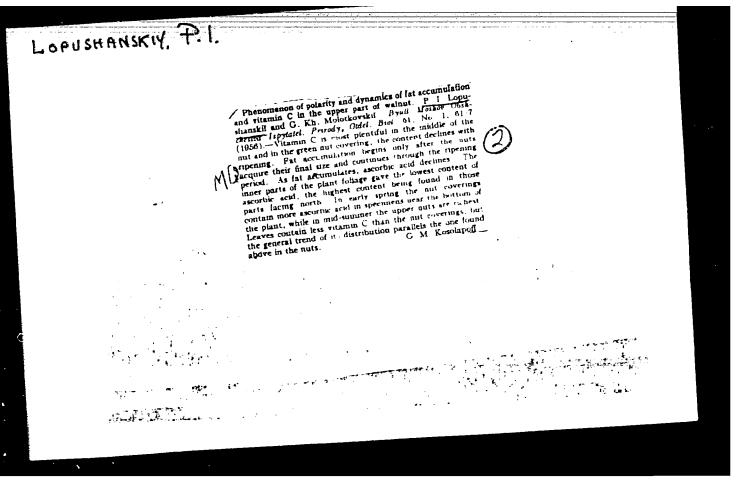
USSR/Physiology of Plants. General Problems.

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1102.

by a secondary flowering at the expense of the spring one. Intensive growth of the fruit has been accompanied by an increase in the ascorbic acid content and the acidation reduction [okislitel' no-vosstano-vitel'nyy potensial] potential. When the fat producing process was intensified, a sharp reduction was noted in the oxidation reduction potential as well as a lowering of the ascorbic acid content and the intensity of respiration. Differences were discovered in the respiration intensity and the content of ascorbic acid, chlorophyll, water, and dry substances on opposite sides of the stalk and its [the stalk's] metameric formations—sides of the stalk and its [the stalk's] metameric formations—tures studied. The authors consider that distinctions in metatures studied. The authors consider that distinctions in metatures studied. The authors consider that distinctions in metatures of the medium, create contradictory polar relations. Bibliography of 165 titles.

Card : 2/2

-2-



OUNTRY	1	USSR Water Regimen.	
ATEGORY	1	USSR Plant Physiology. Water Regimen.	
ABS. JOUR.	:	RZhBiol., No. 6 1959, No. 24564	
AUTHOR	:	Lopushanskiy, P.I.; Molotkovskiy, G. Kh. Academy of Sciences, USSR  And Day Material in Metameres	
inst. Title	:	The Content of Water and Diff the Phenomenon of Walnut In Connection With the Phenomenon of	
orig. PUB.	:	V sb.: Pamyati akad. N.A. Maksimova, 1957, 145-150	
ABSTRACT		Water content in the stem and root of seedlings and mature trees and in young shoots of Juglans and mature trees and in young shoots of Juglans and mature trees and in young shoots. In regis increases from the base to the top. In leaves along the crest of a tree or of young shoots, leaves along the crest of a tree or of young shoots, water content drops from the base to the top. From water content drops from the base to the top. From internode to internode, water content increases internode to internode, was carried out at the intermittently. The work was carried out at the Chernovitskiy Institute. Bibliography of 14 titles.—P. I. Lopushanskiy.	
CARD: 1/1	:		

MOLOTKOVSKIY, G.Kh.; ZAMAESKIY, L.N.; LOPUSHANSKIY, P.I.; LOPUSHANSKIY, A.I.

Distribution of radioactive phosphorus (P<sup>32</sup>) in some plants as related to the phenomenon of polarity [with summary in English]. Fiziol. rast. 5 no.1:37-41 Ja-F '58.

1. Chernovitskiy gosudarstvennyy universitet. (Minerals in plants) (Phosphorus--Isotopes) (Polarity (Biology)) (Minerals in plants)

LOPUSHANSKIY, V.I.

Use of vitamins B<sub>1</sub> and B<sub>12</sub> on patients with atherosclerosis under polyclinical conditions. Vrach. delo no.7:149-150 J1:63. (MIRA 16:10)

1. Ternopol'skaya gorodskaya bol'nitsa.

(ARTERIOSCIEROSIS) (THIAMINE) (CYANOCOBALAMIN)

LOPUSHANSKIY, V.K.

KUKIN, Bikolay Mikolayevich; GEKHTMAN, Hikhail Yekovlevich; LOPUSHANSKIY, V.K.

KUKIN, Bikolay Mikolayevich; GEKHTMAN, Hikhail Yekovlevich; LOPUSHANSKIY, V.K.

[Sketch of the development of the public health service in Moldavia]

Ochork rasvitiia sdravookhraneniia v Moldavii. Kishinev, Gos. isd-vo

Moldavii, 1956. 76 p.

(MOLDAVIA—FUBLIC HMALTH)

LOPUSHANSKIV. Martinin Legimenich; PLATONOV, Aleksandr Fedorovich;
BOLOTOV, B.M., otvetstvennyy redaktor; LIBERMAN, S.S., redaktor
isdatel'stva; ANDREYEV, S.P., tekhnicheskiy redaktor.

[Nine foreman's manual] Spravochnik gornogo mastera. Isd.2-oe,

[Mine foreman's manual] Spravochnik gornogo mastera. Isd.2-oe, perer.i dop. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po chernoi perer.i dop. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po chernoi tsvetnoi metallurgii, 1957. 415 p. (MIRA 10:11) (Mining engineering)

LOPUSHANSKIY, V.Ye.; KAPILINOV, R.P., prof., otv. red.; YEROKHIN, G.M., red. 1zd-va; LOMILINA, L.N., tekhn. red.

[Safety engineering in underground mining of ore deposits]
Tekhnika bezopasnosti pri razrabotke rudnykh mestorozhdenii
podzemnym sposobom. Moskva, Gos. nauchno-tekhn.izd-vo litry po gornomu delu, 1961. 115 p.
(MIRA 15:4)
(Mining engineering—Safety measures)

# LOPUSHANSKIY, Vladimir Yafimovich

[Safety in underground ore mining] Tekhnika bezcpasnosti pri razrabot' rudnykh mestorozhdenii podzemnym sposobom. Izd. 2. Moskva, Nedra, 1965. 150 p. (MIRA 18:9)

17 (15)

SOV/21-59-6-25/27

AUTHOR:

Lopushenko, 0. Z.

TITLE:

Vascularization of the Rabbit Abdominal Aortal Paraganglion

PERIODICAL:

Dopovidi Akademii Nauk Ukrains'koi RSR, 1959, Nr 6,

pp 678 - 682 (USSR)

ABSTRACT:

The author describes the location and functions of the ventral aortal paraganglion in the rabbit, on the basis of his personal study, and falling back on what he himself had learned about the subject matter from the works of authors mentioned in the reference block, whom he enumerates again in the text, supplementing the list by the name of V. M. Tonkov. The author injected the paraganglion arteries with Techmann-Tikhanov mass and sevanite (artificial caoutchouk), the veins with sevanite. After this the posterior abdominal was treated with a 3% potassium bichromate solution and fixed in a 5% solution of formalin. The source of blood supply

and the venous outflow are described.

There are 2 drawings and 8 references, 6 of which are

Card 1/2

Soviet and 2 German.

SOV/21-59-6-25/27

Vascularization of the Rabbit Abdominal Aortal Paraganglion

ASSOCIATION: Kiyevskiy meditsinskiy institut imeni akademika 0. 0.

Bogomol'tsa (Kiyevskiy Medical Institute imeni Academician

O. O. Bogomolets)

PRESENTED:

By V. H. Kas'yanenko, (V.G. Kas'yanenko) Member, AS UkrSSR

SUBMITTED:

January 30, 1959

Card 2/2

#### LOPUSHENKO, O.Z.

Blood supply of the abdominal aortal paraganglion in man. Dop.AN URSR no.5:683-687 '61. (MIRA 14:6)

1. Kiyevskiy meditsinskiy institut. Predstavleno akademikom AN USSR V.G. Kas'yanenko [Kas'ianenko, V.H.].
(NERVOUS SYSTEM, SYMPATHETIC—BLOOD SUPPLY)

OKNINA, Valentina Aleksandrovna; MARKOVA, G.A., red.; LOFUSHIKHINA, L.M., red.; FEYGEL', L.V., red.; KOGAN, V.V., tekhm. red.

> [Methods of chemical analysis of phosphatic ores] Metody khimicheskogo analiza fosfatnykh rud. Pod red. G.A.Markovoi. Moskva,

(Apatite-Analysis) (Phosphates-Analysis)

LOPUSHINSKAYA, V.M.; ISHCHENKO, G.T.; VOLKOVA, A.I.; SAMYSHKIN, M.S.

Immediate results of the treatment of a sarcoma of the vagina in dogs with the use of betatron. Med.rad. 5 no.7:22-25 160.

(VAGINA--TUMORS)

(RADIOTHERAPY)

(MIRA 13:12)

Protecting a generator with closed neutral grounding from short-circuiting to ground. Blek.sta. 25 no.3:57 Mr '54. (MLRA 7:6)

(Dynamos)

EOI OOMNIH	Kh. A., inzhener.
	Remarks on I.D.Lopushniak's article "Grounding protection of a generator with a dead-end grounded neutral." Eh.A.Rybak. Elek. sta. 25 no.10:56 0 '54. (MLRA 7:11)  (Dynamos) (Electric currentsGrounding) (Lopushniak, I.D.)
† •	
•	

AID P - 1535

LOI JUINTAN, 1. J.

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 31/36

Authors : Editors

Title : Comments about the article of Eng. I. D. Lopushnyak

and remarks thereon by Eng. Kh. A. Rybak

(Elek. sta., 1954, Nos. 3 & 10)

Periodical: Elek. sta., 3, 59, Mr 1955

Abstract

The comments concern the article "Protection against short-circuiting of generators with solidly grounded neutral". The author of the article sent to the editors his explanations in reply to the remarks of

Kh. A. Rybak.

Institution: None

Submitted : No date

TARASENKO, N.D.; BERDYSHEV, G.D.; LOPUSHONGK, V.Yu.

Free radicals in irradiated seed potatoes with different storaga time. Biofisike 10 no.52893-895 165.

(MIRA 18:10)

l. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSK. Novosibirsk.

#### "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000930520

: Poland CATEGORY Forestry. Forest Cultures. K ABS. JOUR. : RZhBiol., No. 4, 1959, No. 15510 AUTHOR : Lopuski, Czeslaw THST. : Cultivetion of the Forder in Aconce. TITLE orro. rub. : Las polaki, 1957, 31, No.13, 18-21 : A description is given of the technique for the cultivation of roman cultures by another ABSTRACT precamed thos young trees in charact place gjanderski 🕡 1/1 CARD:

#### LOPUSKI, Jan, dr

Liability of the shipmaster and the shipowner for accidents to members of the crew due to defective stowage. Techn gosp morska 14 no. 6:172-174 Je '64.

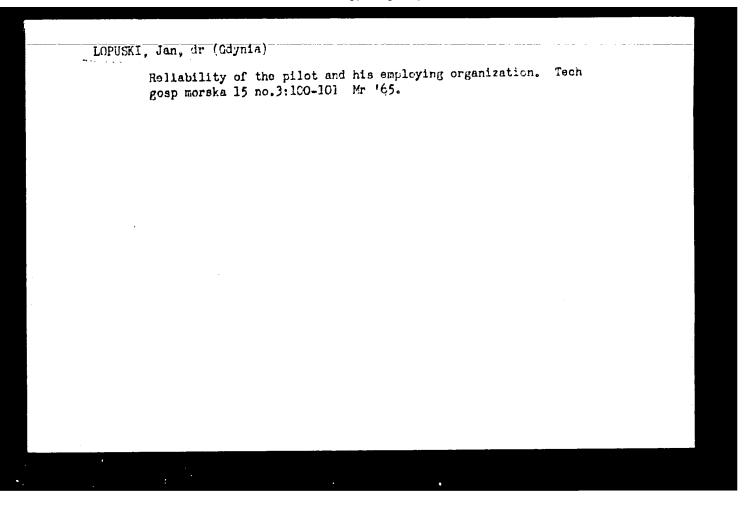
LOPUSKI, Jan, adw., dr. (Gdynia)

Charter, Time. Techn gosp morska 12 no.2:48-49 '62.

HUGET, M.; LOPUSKI, J., dr (Gdynia)

Role and tasks of the average agents and dispatching offices. Tech gosp morska 12 no.10:296-298 0 '62.

### "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000930520



Hall fracture of the tanker Kasprowy. Tech.gosp.morska 10 no.1:13-14 Ja '60. (ERAI 9:4)

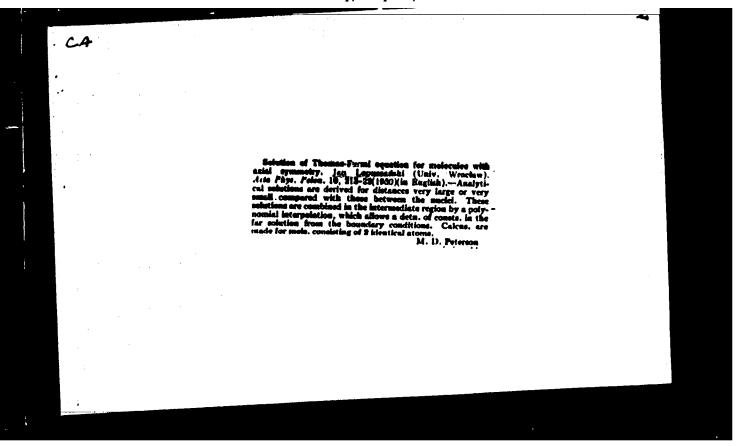
1. Stocznia Remontowa (Gdansk). (Foland—Marine accidents)

LOPUSZANSKI, Antoni, mgr. inz.

Practured castings repaired by using the "Metalock" method. Bud okretowe Warszawa 7 no.7:232-237 Jl '62.

1. Gdanska Stocznia Remontowa, Gdansk.

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000930520



LOPUSZANSKI, J.

"The Derivation of Vlasov's Equation from Fock's Equation." p. 196, (ACTA PHISICA FOLONICA, Vol. 11, no. 2, 1951, Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

#### "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000930520

Thematical Reviews. Fay 1954 rithematical invaics

Acta Phys Polonica 11, 298-313, 1953.

In the first ours many first ours applications.

In the first nine pages the author derives, using gener of functions, various formulas for probabilities connected with the random placement of N balls into n cells, the balls are either distinguishable or indistinguishable, and the random distributions in a describeding multiple placements. In the second part the author surveys a rious special cases which have been treated recently in the physical literature and applies some formulae to the theory of photographic plates. [Most of the formulae attributed to modern physicals are classed and can be a

found in W. A. Whitworth, Choice and figure 5th ed. Deighton Bell, Cambridge, 1901 reprinted 1942 by Co. F. Stechert, New York 2008 Feller, Princeton, N. 100

LOPUSZANSKI, Jan.

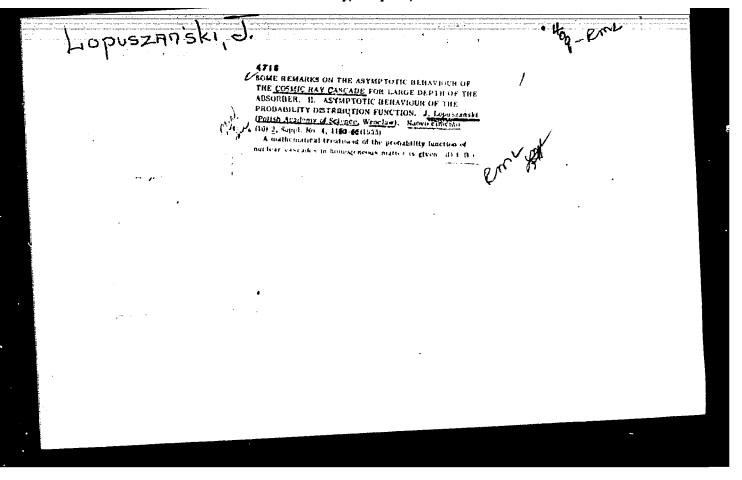
i)

Mathematical Reviews Vol. 15 No. 3 March 1954 Analysis Lopuszański, Jan. Relativisierung der Theorie der stochastischen Prozesse. Acta Phys. Polonica 12, 87-99 (1953). (Russian summary)

It has often been remarked that the assumptions underlying the diffusion equation require infinite velocities. [This, of course, is not true of the refined Uhlenbeck-Ornstein model which considers the process in the phase space.] In relativity one should require that a transition from x to y is possible only if |x-y| < ct. The author discusses formally how the Chapman-Kolmogorov identity can be written invariantly. However, when it comes to the diffusion equation his simple conclusion seems to be that the covariance tensor must be zero, that is, that the diffusion equation must reduce to the deterministic limiting form (in the case of one dimension to  $u_t = au_x$ ). This, of course, does not contradict relativity but amounts to an abolition rather than a relativization of diffusion processes. W. Feller.

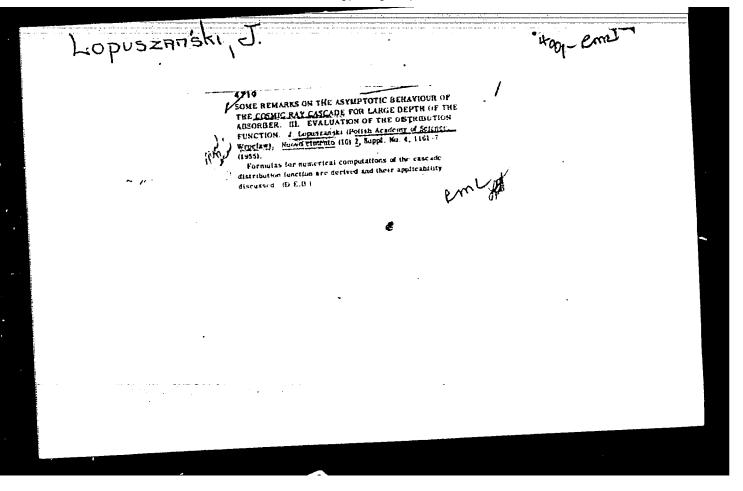
### "APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520



"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520



### "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000930520

The solution of the G-equation of Jamessy with londation less. In English. p. 251

ACTA PHISIDA : CLUMICA vol. 14, no. 3, 1955

Warszawa, Poland

so. ELST I HOPERA ACCESSIONS LIST vol. 5, no. 10 Cet. 1956

#### "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000930520

LCPUSSALSKI, J.

The asymptotic behavior of the probability distribution function of cosmic cuscades. In English. . . 265

ACTA PHYSICA FOLCUIGA vol. 14, no. 3, 1955

Warszawa, Poland

ect. 1996 vol. 5, no. 10 TANT TTEORERS ACCEDED AND LINE s0.

## iopuszanski, J.

Lopuszans: i, J. Evaluation of the probability distribution function of commic cascades for large depth of the absorber. In English. p. 209.

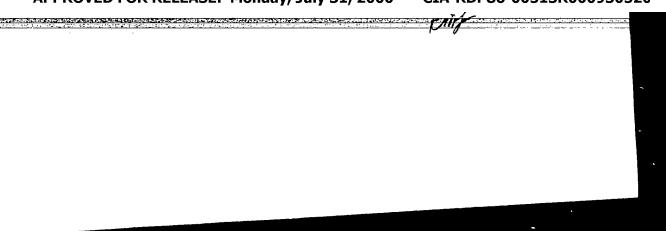
ACTA PHYSICA FOLONICA

Vol. 14, No. 3, 1955

Harszawa, Poland

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 5, No. 10 Oct. 56

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000930520



D

POLAND/Atomic and Molecular Physics - Statistical Physics Thermodynamics.

: Ref Zhur Fizika, No 10, 1959, 22373 Abs Jour

: Lopuszanski, Jan Author

: Institute of Theoretical Physics, Polish Academy of Inst

Sciences, Wroclaw, Poland

: On the Modification of the Feynman's "Integral Over All Title

Paths" Method

: Acta phys. polon., 1958, 17, No 2-3, 117-136 Orig Pub

: The solution of an equation of the diffusion type is written in the form of an integral overall paths. The Abstract

summation is carried out in two steps: first one calculates the number of paths of an identical contribution, and the sum over all possible contributions is then ta-

APPROVED FOR RELEASE. Thomas, July 31, 2000 CIA-RDP86-00 CIA-RDP86-00513R000930520

Card 1/2

- 28 -

D

POLAND/Atomic and Molecular Physics - Statistical Physics
Thermodynamics.

Abs Jour : Ref Zhur Fizika, No 10, 1959, 22373

calculating the number of paths that give an identical contribation, for the case when each path can be broken up into an infinitely large number of elementary transitions. As a result, the formula that determines the solution of the equation of the diffusion type (infinitely lution of the equation of the diffusion type (infinitely nultiple sum) becomes somewhat simpler. See also Referat Zhur Fizika, 1959, No 1, 179. -- G.V. Ryazanov

Card 2/2

LOPUSZANSKI, J.

SURTAME (in caps); Given Names

Country:

Source:

Poland

Academic Degrees: Not stated

Institute of Theoretical Physics, Wroclaw University (Instytut Fizyki Teoretycznej, Uniwersytet Wrockawski)

Affiliation:

Warsaw, Bulletin de l'Académie/des Sciences, Série

des Sciences Techniques, Vol 9, No 3, Mar 61, pp 185-189.

"Functional Formulation of the Theory of Reliability." Data:

Co-author:

RZEWUSKI, J., Academic degree not stated, Institute of Physics, Wroclaw, Polish Academy of Sciences (Instytut

Fizyki, Wrocław, PAN)

# LOPUSZANSKI, J.; RZEWUSKI, J.

Functional formulation of the theory of reliability. Archivelektrotech 11 no.2:271-284 162.

1. Instytut Fizyki Teoretycznej, Uniwersytet, Wroclaw, i Instytut Fizyki, Polska Akademia Nauk, Wroclaw.

# LOPUSZANSKI, J.; RZEWUSKI, J.

Functional formulation of the theory of reliability. Bul Ac Pol tech 9 no.3:185-189 '61.

1. Institute of Theoretical Physics, University, Wroclaw Institute of Physics, Wroclaw Branch, Polish Academy of Sciences. Presented by J. Groszkowski.

LOPUSZANSKI, Jan T.

On the functional formalism of the S-matrix. Acta physica Pol. 24 no.1:23-29 J1:63

1. University, Wroclaw, and Polish Academy of Sciences, Institute of Physics, Wroclaw.

## LOPUSZANSKI, Jan

A combinatorial problem related to the theory of cosmic radiation. Matem fizyka astronom Wroclaw 3:103-111 '62.

......

Transition amplitudes used in the theory of the "Integral over all paths" of Feynman. Ibid.:113-124

1. Institute of Theoretical Physics, University, Wroclaw.

POLAND

## LOPUSZANSKI, Jan

1. Institute of Theoretical Physics, Univ. of Wroclaw (Instytut Fizyki Teoretycznej Uniwersytetu Wroclawskiego); 2. Dept. of Theoretical Physics, Institute of Physics, Polish Academy of Sciences (Zaklad Fizyki Teoretycznej Instytutu Fizyki PAN)

Crakow, Postepy fizyki, No 4, Jul-Aug 1965, pp 483-503

"Some current problems of the quantum theory of fields."

IOPUSKI, J., dr (Gdynia)

Due diligence of the carrier. Tech gosp morska 14 no.2:
42-43 F '64.

IOFUTSKO, Sergey Yakovlevich, brigadir montazhnik; YARTSEV, N., red.;

PAVIOVA, S., tekhm.red.

[Brigade assembles a house] Brigade sobiraet dom. Moskva,

(MIRA 15:2)

(Precast concrete construction)

IAPYTHY Aleksandr Alekseyevich; TSYTTOW, Ivan Ignat'yevich, BELOSTOTSKIY,
I.A., redaktor; OTOCHEVA, M.A., redaktor; KOETASHIMA, A., tekhnicheskiy redaktor.

[Mamual for trolley car operators] Uchebnoe posobie dlia voditelei
tranvaia. Moskva, Isd-vo Ministerstva kommunal'nogo khosiaistva
(MIDA 9:4)
RSFSR, 1955.267 p.

(Street railways)

## LOPYREV, N.

Der Arbeiterklub. Berlin, Tribune, 1952.

Translated by Kurt Bittenbinder from the Russian, "Rabochiyklub", Moscow, 1950. Added T. P. in Russian.

> N/5 114.73 .L8

## LOPYREY ... E.

Method of determining speed and traction characteristics of selfpropelled vessels as suggested by Professor V.V.Zvonkov. Mor. i rech. flot 14 no.12:12-14 D \*54. (Ships)

LOPYREV, N., kand. tekhn. nauk

Present state of the modernization of the ship repairing industry.

Rech. transp. 21 no.8:21-23 Ag 62. (MIRA 18:9)

1. Zaveduyushchiy kafedroy Leningradskogo instituta inzhenerov vodnogo transporta.

LOPYREV, N.E., kandidat tekhnicheskikh nauk. Use of automobile and tractor units on ships of the river fleet.

(MLRA 10:4) Rech. transp. 16 no.3:21-26 Mr 157.
(Diesel engines)

LOPYREV, Mikoley Kirillovich; GOLOVANOV, N.V., red.; VOLCHOK, K.M., tekin.red.

[Ultrasonic prevention of scale formation in marine steam boilers] Ul'trasvukovoe predotvrashchenie obrasovaniia nakipi v sudovykh parovykh kotlakh. Leningrad, Izd-vo (MIRA 13:2) "Rechnoi transport," 1958. 25 p. (MIRA 13:2) (Boilers, Marine--Incrustations)

AUTHOR ?

Lopyrev: N.K. (Cand Feeh Sei.)

SOV/91-58-9-1/30

TITLE

The use of ultrasonics to prevent deposit (scale) formation

(Primeneniye ulitrazvuka dlya predotvrashcheniya nakipeobrazovaniya)

PERIODICAL:

Promyshlennaya Emergetika, 1958, No.9. pp. 1-8 (USB)

ABSTRACT 3

A brief description of ultrasonies is firme given. The action of ultrasonic waves on the process of crystallisation was first describe! by corresponding member Acad Sci. of the USSR, S.Ya. Sokolov in 1935. Thereafter work was dens under the guidance of V.I. Danilov, A.F. Kapustin and other authors to elucidate the influence of ultrasonics on the kinetics of crystallisation of various substances. We investigated the influence of wibration on the crystallisation of metals. The work is continuing in a number of Soviet and foreign research institutes. Ultrasonia waves affect exystallisation because of the friction forces that are set up between the solution and the crystals being precipitated and also because of gas bubbles formed by cavitation effects. If the gas bubbles are of the right size resonance effects occur which also tend to make the crystals small. From this follows the idea of applying ultrasonic waves to disturb the process of crystallisation of scale deposits in boilers. In addition the ultrasonic waves should detach scale deposits from metal surfaces. The usual methods of generating ultrasoni; waves are then described. A magnetostriction ultrason: generator that has been used in boilers

Card 1/3

The use of ultrasonics to prevent deposit (scale) formation. SOV/94-58-9-1/30

is illustrated schematically in Fig.1. This particular specimen is made of nickel, but other materials that can be used are described. The methods of determining the length of the tube and the frequency and amplitude of dibration are given. An impulse generator is used to produce the electric supply of ultrasonic frequency. A schematic circuit diagram of the pulse generator is given in Fig.2., its operation is suplained, and an oscillogram of the electrical supply and the vibrations in the liquid is given in Pig. 3. Calculations of the impulse and sonic power are given. The use of a gas discharge valve as a switching device in the impulse generator is explained. A circuit diagram of generator type IG-8 is given in Fig.4. and the principles of operation are explained. The characteristics of this generator are as follows: ultrasonic frequency, 15 kc/s; impulse frequency up to 20 cycles per second; industrial frequency power consumption 50 W and weight 9.5 kg. A photograph of the instrument is given in Pig.5. Preliminary tests were made in the laboratory in which ultrasonic vibrations were applied to heated salt solutions. The rate of deposit formation was lower than in the absence of ultrasonic waves and the scale was broken cff before reaching a thickness of 4 mm. An ultrasonic generator was then tried on one of a pair of identical boilers. The boiler heating surface was 130 m2, the steam pressure 12 atm and the boilers burnt fuel oil. As there were no spare connections to the boiler the ultrasonic generator was

Card 2/3

The use of ultrasonics to prevent deposit (scale) formation. SOV/94-58-9-1/30 applied to the point of connection of the water level gauge as shown in Fig.6. It is necessary to keep the vibrator cool or the effect is much reduced, the cable from the generator to the vibrator must not be too long. In the early stages the vibrator became filled with sludge and a method of cleaning it had to be provided. When the boiler had been working for some time with the ultrasonic generator in service it was opened for examination. There were no traces of old scale on about 70% of the heating surfaces, and scale up to 3mm thick that remained on some surfaces was friable. In the bottom of the boiler, in addition to the usual sludge there was a large quantity of lumps of scale that had teen removed from the heating surfaces. The commission decided that mechanical cleaning of the heating surface, was unnecessary. These results have since been confirmed on another boiler. Work on the subject continues. There are 6 figures.

Crystallization--Ultrasonic factors
 Metals--Ultrasonic factors
 Ultrasonic radiation--Propagation
 Ultrasonic radiation--Applications

Card 3/3

GUSEV, Mikhail Nikolayevich, prepodavatel; ZILIST, Petr Sigizmundovich, prepodavatel; LEV, Yevgeniy Semenovich, prepodavatel; LOPYREV, Nikolay Kirillovich, prepodavatel; MARDENSKIY, Vladimir ProKop yevich, prepodavatel; MEMKOV, Petr Petrovich, prepodavatel;
NIKITIN, Gennadiy Mikhaylovich, prepodavatel; SHELUCHENKO, V.M., dotsent, kand.tekhn.nauk, retsenzent; BELOV, N.M., inzh., retsenzent; GOLOVANOV, N.V., red.; VOLCHOK, K.M., tekhn.red.

[Technology of marine engineering and ship repairs] Tekhnologiia sudovogo mashinostroeniia i sudoremonta. Pod obshchei red. M.N. Guseva. Leningrad, Izd-vo "Rechnoi transport," Leningr.otd-nie. Pt.2. [Technology of ship repairs] Tekhnologiia sudoremonta. (MIRA 13:4) 1960. 470 p.

1. Kafedra tekhnologii sudostroyeniya i sudoremonta Leningradskogo instituta vodnogo transporta (for Gusev, Zilist, Lev, Lopyrev, Mardenskiy, Nemkov, Nikitin).

(Ships--Maintenance and repair)

LOPYREV, N.K. Mechanization level indices in founding. Lit.proizv. no.2:42 (MIRA 14:2) F '62.

(Foundries--Equipment and supplies)

LOPYREV, N.K., kand.tekhn.nauk, dotsent; SHEVALDYSHEV, L.G., inzh.

Effect of ultrasonic waves on the process of scale formation

Effect of ultrasonic vaves on the process of scale formation

(MIRA 15:3)

in steam boilers. Trudy LIVT no.6:54-60 '60. (MIRA 15:3)

(Boilers--Incrustations)

(Ultrasonic waves--Industrial applications)

LOPYREV, Nikolay Kirillovich; BUDARINA, V., red.; LAPIDUS, L., mlad. red.

[Development of the theory of labor productivity] Razvitie teorii proizvoditel'nosti truda. Moskva, Mysl', 1965. 191 p. (MIRA 18:9)

1

AVERKOV, S. E.; AMIKIM, V.I; BRAVO-EHIVOTOVSKIY, D.M.; GAPONOV, A.V.; DEREKOVA,
M.T.; YERGAKOV, V.S.; LOFIENV, V.A.; MILLER, M.A.; FLYAGIN, V.A.

Diode oscillator noise source in the three-centimeter band, Hadiotekh.

(MGRA 10:1)

(Cacillators, Electron-tube--Noise)

(Wave guides)

Use of the Gall chain in wind-driven generators. Radio no.7:28

J1 '60.

(Electric generators) (Windmills)

LOPYREV, V.A.; NIKOLAYEV, L.V.

Micateous window for dismountable vacuum instruments.

Prib. i tekh.eksp. 6 no.4:163-164 Jl-Ag '61. (MIRA 14:9)

l. Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom gosudarstvennom universitete. (Vacuum apparatus)

"Problem of Bringing About Complete Rutting in Sheep during Summer"

SOURCS: Doklady Vessoyuz Akad. s-x nauk im. Lenina, No 8 1918, pp 42468

(Raports of the All-Union Acad of Agric Sci Im Lenin)

1948 Letopsis Zhurnal Statey No 36

LOPYRIN, A. I. and N. V. Loginova, co-authors

"The Possibility of Pagulating the Quantity of Offspring by SZhK Injections"

SOURCE: Svornik Nauch. Rabot (Vsesoyuz. nauch. -issled. in-t ovtsevodstva i kozovodstva) ((Collection of Sci. Work (AlleUnion Sci Res Inst of Sheep & Goat Breeding))
No 17, 1948, pp 232-244.

LOPYRIN, A. I. and N. V. Loginova, co-authors

"Theoretical Fundamentals of Hormone Stimulation of Rutting in Sheep during Summer"

SOURCE: Swormik Nauch. Rabot (Vsesoyuz. nauch. -issled. in-t ovtsevodstva i kozovodstva) ((Collection of Sci Work (All-Union Sci Res Inst of Sheep & Goat Breeding))
No 17, 1918, pp 245-260. - Bibliogr. 8 items; as Item 10768 in 1919 Letopis
Zhurnal Statey No 15

LOPYRIN, A. I. and N. V. Loginova, coauthors

\*Fertility of Sheep during Various Periods of Impregnation\*

SOURCE: Sov. Zootekhmiya, No 5, 1949, pp 50-59, with Bibliogr. 12 items; as item 29791 in 1949 Letopis Zhurnal Statey No 40

LOPYRIN, A. I.			PA 19612	
	character of the wool covering in particular cases. Transplantations of sheep fetuses into goats were unsuccessful. Reviews: some USSR work on vegetative hybridization of animals. Mentions Mikulina's finding in expts on rabbits to the effect that the stock is improved when the males receive alk nutritional components while the females are fed acidic components.	Describes expts on transplanting 24-hr-old sheep fetuses into sheep of a different strain. Results varied with the strains involved, but heightened vitality of the lambs was generally achieved together with some modifications of the 19672  USSR/Biology - Genetics (Contd)  Nov 51	USSR/Biology - Genetics Breeding of Sheep  "Rifect of Changed Conditions of Embryogenesis on the Growth and Development of Lambs," A. I. Lopyrin, Cand Agr Sci, N. V. Loginova, Cand Biol Sci, P. L. Karpov, All-Union Sci Res Inst of Sheep and Goat Breeding  "Sov Zootekh" Vol VI, No 11, pp 83-95	

- 1. LOFYRIN. A.; LAGINOVA, H.
- USSR (600)
- Sheep Breeding
- 7. Methods for increasing multiple births in sheep. Kolkh. proizv. 12, No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

LOGINOVA, N.V., LOPYRIN, A. I.

' Sheep - Diseases

Valuable manual for sheep breeders ("Communicable and infectious diseases of sheep and goats." Reviewed by N. V. Loginova, A. I. Lopyrin), Veterinariia, 29, No. 8, 1952

Monthly List of Russian Accessions, Library of Congress October 1952 Unclassified

Problems of remote hybridisation of animals. Usp. sevrem. biol. 36 me.2:227-235 Sept-Oct 1953. (CLML 25:5)

1. Stavropel'.

```
Theory and practice of fertilization with mixed semen. Usp.sowr.
biol. 39 no.2:212-227 Mr-Ap '55.
(INSEMINATION, ARTIFICIAL,
mixed semen, in animals)
(SEMEN,
mixed semen in artif. insemination in animals)
```

LOPY TIN A.1.

USSR/Farm Animals. Small Mormed Stock.

Q

Abs Jour: Ref Zhur-Diol., No 20, 1958, 92608.

Author : Lopytin, i.I., Logineva, H.V.

Inst All-Union Scientific Research Institute for Sheep and

Goat Breeding.

Title : The Unity of the Inhibiting and Stirulating Corpus

Luteum Mormone in the Sexual Cycle of Sheep.

Oric Pub: Dyul. nauchno-tekhn. inferm. Vses. n.-i. in-t ovtsevodstva.

i kozovodstva, 1956, (1957), No 3 (25), 185-189.

Abstract: The removal of the functioning ovaries in sheep within

10-20 hours after evulation delayed the advent of subsequent rut by several lays. When the ovaries were removed 2-7 days after evulation, heat occurred in two days after the operation, i.e. in 4-9 days after the preceding rut. Only 2 (6.7%) of the 23 inscrimated

Card : 1/2

Q

USSR/Farm Aminals. Small Horned Stock.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92608.

sheep lambed. The others reentered the state of rut in 16 - 17 days. Experiments were ande with the artificial retention of the foundated egg in various sections of the sexual aract for the purpose of explaining this phenomenon. It turned out that the zygote does not live longer than 5 days in the oviduct, and from 6 to 11 days in the horn of the uterus, although its development is halted. The authors explain the lack of conception in ewes which have gone to rut after the removal of the functioning corpus luteum as a functional "slip up" in the nerveus processes of the central nervous system as a result of the exclusion of progesterone, due to which the birth canal does not operate suitably for even the shortest while. -- V.V. Polovtsova.

Card : 2/2

71

В

USSR / General Biology. Individual Development. Transplantation and Symphysis.

: Ref Zhur - Biologiya, No 4, 1959, No. 14402 Abs Jour

: Lopyrin, A. I.; Loginova, N. V.; Karpov, P. L. Author

: Not given Inst

1 The Acclimatization and Development of Title

Embryos in Ewes After Homoplastic Trans-

plantation

: Vestn. s.-kh. nauki, 1957, No 1, 53-62 Orig Pub

: In ewes the oviduct was removed 1-2 days Abstract after fertilization of the ovum and zygotes

were introduced into the oviduct of recipients of another breed. Twenty-nine transplanted zygotes took root. Only 3 lambs were found to be able to survive. The ex-

perimental lambs developed more intensively

Card 1/2

)

USSR / General Biology. Individual Development. Transplantation and Symphysis.

В

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14402

than controls and they possessed normal reproductive function ability. In their appearance the lambs could not be distinguished from monogenetic control lambs. When ewes which were raised from experimental animals were interbred, lambs of an unusual appearance were bred. When interbreed transplantations of zygotes were repeated the authors did not succeed in determining the effect of the recipient mother upon the development of the embryo except for the fact that experimental lambs developed better. —L. D. Liozner

Card 2/2

36

: Farm Animals. Sheep Country A33. JOUR. ! RZB101., No. 13, 1958, No. 59550 Lopyrin, A. I.; Loginova, N. V. All-Union Academy of Agricultural Sciences\* Experimental Study of the Influence of the Quality of Semen upon the Viability of Off-AUTHOR INST. TITLE spring in Sheep ORIG. PUB.: Dokl. VASKMIIL, 1957, No 5, 40-43 : Experiments were carried out on 45 Merino sheep which after 28-30 hours following the start of heat were subjected to laparotomy ABSTRACT while 0.1 mg. of diluted semen was introduced into one or into both oviducts. If the ovulation was already accomplished, then the semen was introduced into the infundibulum tubae uterinae, and if the ripe follicles had not yet opened, into the horn of the uterus. As a result of the experiment, lit \* imeni Lenin 1/3 CARD:

Q COUNTRY----:-USSR : Farm Animals. Sheep CATEGORY ABS. JOUR.: RZBiol., No. 13, 1958, No. 59550 AUTHOR INST. TITLE ORIG. PUB. : : ewes (31%) lambed. Out of 15 lambs obtained, 5 were non-viable. After two days, four ewes ABSTRACT contid. were again operated upon for removal of the oviducts. In the process, breaking down zygotes were found in the lavage liquid, which was proof that fertilization took place. The subsequent experiment on intra-uterine insemination, carried out with cooled semen in which presumably only the most viable sper-2/3 CARD: Q - 42

Country : USSR CATEGORY : Parm Animals. Sheep

A3S. JOUR. ! RZBiol., No. 13, 1958, No. 59550

AUTHOR : INST. : TITLE :

ORIG. PUB. :

ABSTRACT : matozoa took place, produced a positive result. Out of five inseminated ewes, four were fertilized (80%).-- V. V. Polovtseva

CARD: 3/3

Q : USSR : Farm Animals. Sheep Country CATEGORY ABB. JOUR. : RZBiol., No. 13, 1958, No. 59555 : Lopyrin, A. I.; Donskaya, V. I.; Kastornova, AUTHOR : Pertilization of Sheep under Different INST. Methods of Twofold Insemination TITLE ORIG. PUB.: Ovtsevodstvo, 1957, No 9, 19-21 : On the basis of two-year experimentation, it is recommended to effect the second insemi-ABSTRACT nation (during the same heat period) not after 24 but after 8 hours. # Ye. K. 1/1 CARD:

LOPYRIN, A. I., BUTARIN, N. S., LOGINOVA, A. I., GIGINEYSHVILI, N. S., RAKHIMOV, A. A.

"An attempt making creative use of the Mitshurin method of remote hybridization for the purpose of the selection of agricultural animals."

reported at Conference on Problem of Heredity and Variability, held at Institute of Genetics, AS USSR, 8-14 Oct 1957
Vestnik AN SSSR, 1958, Vol. 28, No. 1, pp. 127-129 (author Kushner, Kh. F.)

LOPYRIN, A.I.; LOGINOVA, N.V.; YARNYKH, A.M., red.; DEYEVA, V.M., tekhn.

[Artificial insemination of sheep] Iskusstvennoe osemenenie ovets.

Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 189 p. (MIRA 14:12)

(Artificial insemination) (Sheep)

# LOPYRIN, A.I., doktor biologicheskikh nauk

Controlling sterility in sheep. Zhivotnovodstvo 23 no.6:17-24 Je '61. (MIRA 16:2)

1. Vsesoyusnyy nauchno-issledovatel'skiy institut ovtsevodstva i kozovodstva.

(Sterility in animals) (Sheep)

# "Reproductive biology of the north Caucasus merino sheep." report submitted to 5th Intl Cong, Animal Reproduction & Artificial Insemination, Trent, Italy, 6-13 Sep 64.

Mobile structures to be used on construction sites. Gor.khos.

Mosk. 32 no.8:32-33 Ag '58.

(Automobile--Trailers) (Motorbuses)

PONOMAREVA, N.A.; NECHAYEVA, A.S.; DURASOVA, M.N. [deceased]; NIKITENKO, A.A.; LORAN, I.D.; DUBOVA, V.A. Significance and production of individual fractions of sera of im-

munized animals. Nauch. osn. proizv. bakt. prep. 10:220-225 61.

1. Moskovskiy institut vaktsin i syvorotok im. Mechnikova.